

EVHR AC / EVER AC

Ceiling Type Heat / Energy Recovery Unit with Heat Pump



EVHR AC/EC - EVER AC/EC Ceiling Type Heat / Energy Recovery Units with Heat Pump Aluminium Plate / Cellulosic Heat Exchanger

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• Evaporator & Condenser

Copper tube - aluminum fin type and high efficiency evaporator and condenser are used. At the entrance of the evaporator, refrigerant distributor is used for a uniform distribution. In order to keep the pressure drops on the air side reduced, the air speed of 2.7 m/sec or a lower value is selected for evaporator and condenser. There is a stainless steel drain pan under the evaporator and condenser.

• Supply and Exhaust Air Fan (EVHR AC - EVER AC) - AC PLUG FAN

Backward curved plug fans are used in heat and energy recovery units. Fan blades have high aerodynamic efficient backward curved design. Plug fans are used for high efficiency and low sound levels. With AC Fans, maintenance costs are reduced as the fans are directly connected to the motors; the belt and pulley problems are eliminated.

• Supply and Exhaust Air Fan (EVHR AC EC - EVER AC EC) - EC PLUG FAN

The fans in heat and energy recovery units are equipped with innovative Electronically Commutated EC motor technology. EC motors have higher efficiency and simple speed control. Fan blades have high aerodynamic efficient backward curved design. EC motors reduce the energy consumption and increase the energy efficiency of the unit. With EC Fans, maintenance costs are reduced as the fans are directly connected to the motors; the belt and pulley problems are eliminated.

• Aluminum Cross-flow Heat Exchanger (EVHR AC)

The aluminum plate heat recovery exchanger consists of flat aluminum plates sewed together on the edge. The sewing progress ensures leakage free design. As the edge dimension increases, the efficiency of the heat exchanger increases and pressure loss across the heat exchanger decreases. Increasing plate distance reduces both efficiency and the pressure drop. EVHR AC units include optimized efficiency, pressure drop and cost effectiveness. In extreme climates, to protect the exchanger from freezing, fresh air electric heaters must be used.

• Cellulosic Paper Type Crossflow Heat Exchanger (EVER AC)

EVER AC energy recovery ventilation units with heat pump have cellulosic crossflow, high efficient plate heat recovery exchangers. The exchanger transfers sensible heat and moisture between supply and exhaust air. Thus, it is also possible to transfer latent heat. With the optimization of heat exchanger, temperature and humidity efficiency is increased, pressure drop is decreased. Cellulosic paper type crossflow Heat Exchanger prevents decreasing moisture in winter time and increasing moisture in summer time.

• Control System

ENECON control unit is developed for controlling of heat recovery units' equipments, meeting the demands coming from the customers and is user friendly designed. ENECON is capable of controlling the standard equipments and optional accessories. ENECON Control unit can perform the basic functions. Besides, the control unit can be switched on/off via BMS, gets fault signals and controls all the functions via ModBus. Alternative controllers are listed in "Control System" part.

• Casing & Insulation

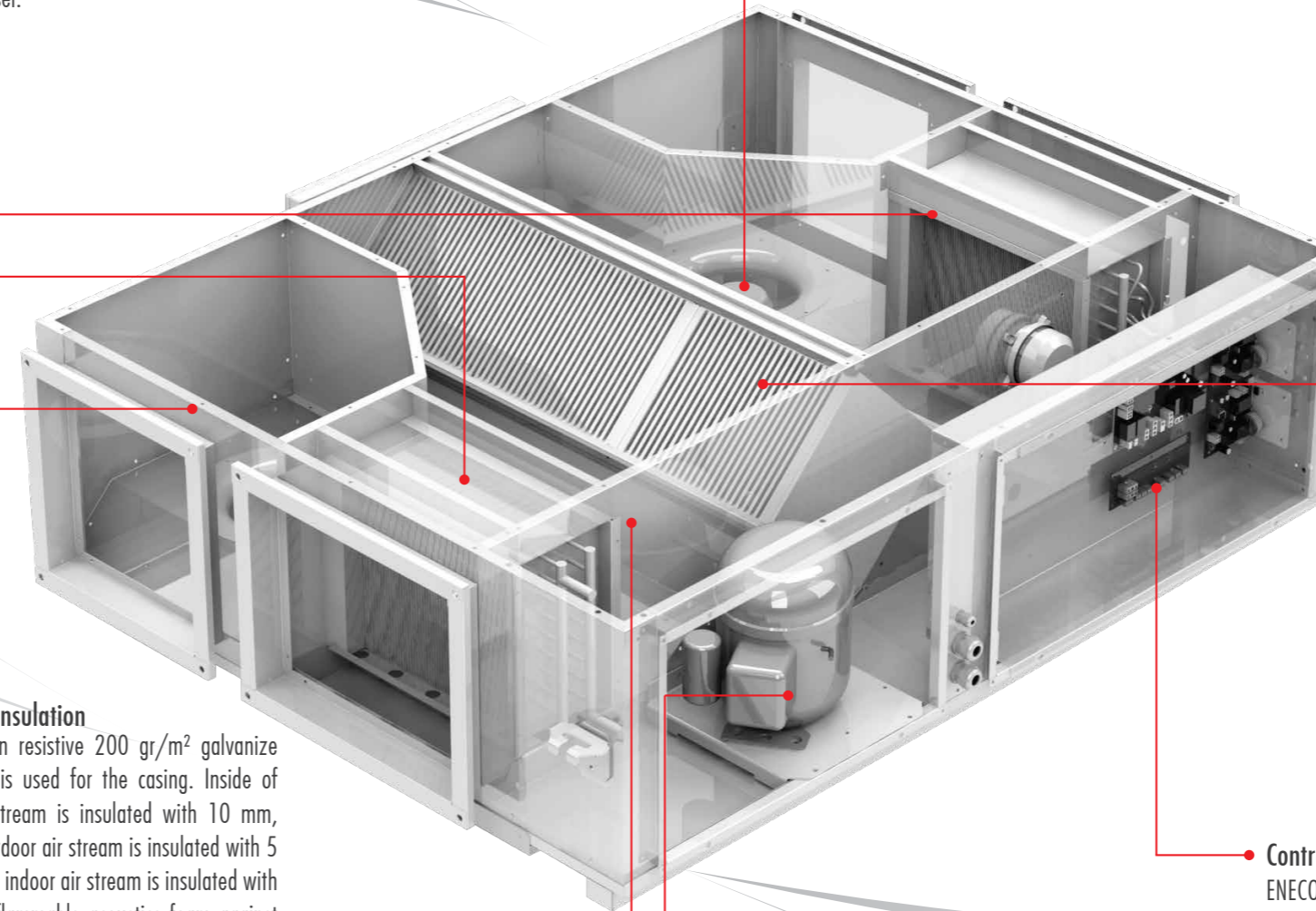
High corrosion resistive 200 gr/m² galvanize coated steel is used for the casing. Inside of outdoor air stream is insulated with 10 mm, outside of outdoor air stream is insulated with 5 mm; inside of indoor air stream is insulated with 10 mm non-flammable acoustics foam against sound and thermal conduction.

• Filter

To increase indoor air quality and to protect the equipments used in unit, G class filters (according to EN 779 standard) are used for both exhaust and supply air streams.

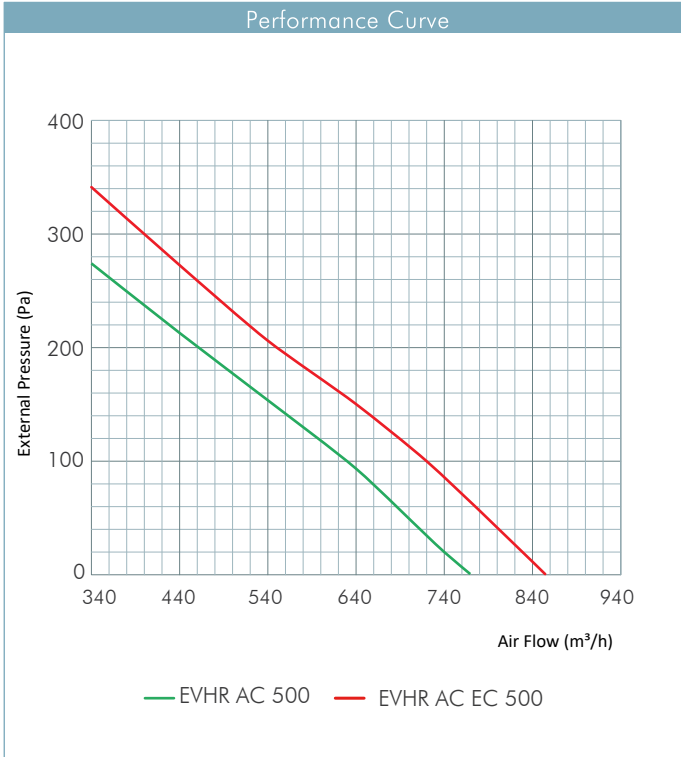
• Compressor and Heat Pump Cycle

High efficiency, fully hermetic compressors are used in the heat/energy recovery units with heat pump. Externally balanced thermostatic expansion valve is used in the unit. The system safety is ensured with low and high pressure pressurestats. The system can work in heating or cooling mode depending on the season selection on the control panel. The unit has an automatic free-cooling system which enables further savings in order to reduce operating costs.

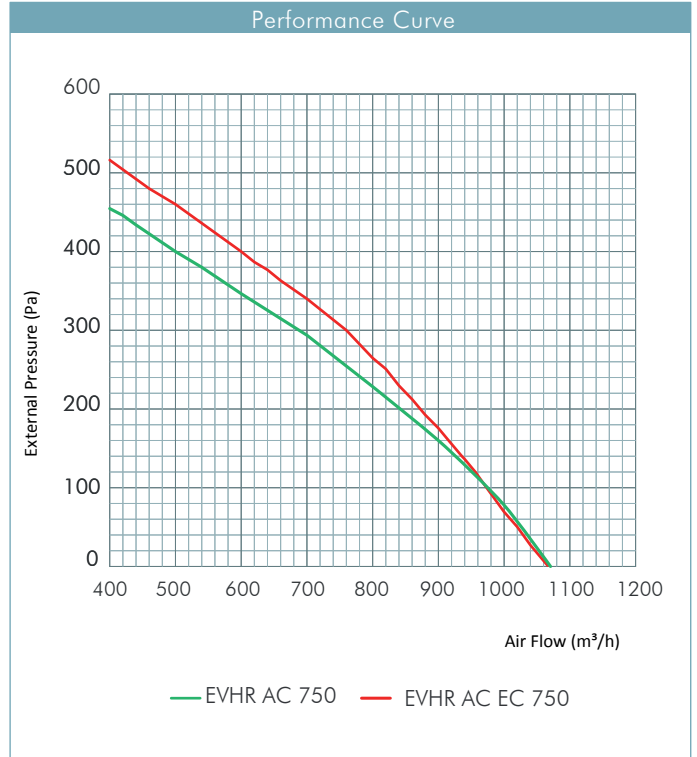


The technical specifications and the performance data declared with this logo have been developed by the tests performed in Eneko Energy Laboratory which is established with the development Project support of Tübitak by regarding relevant standards.

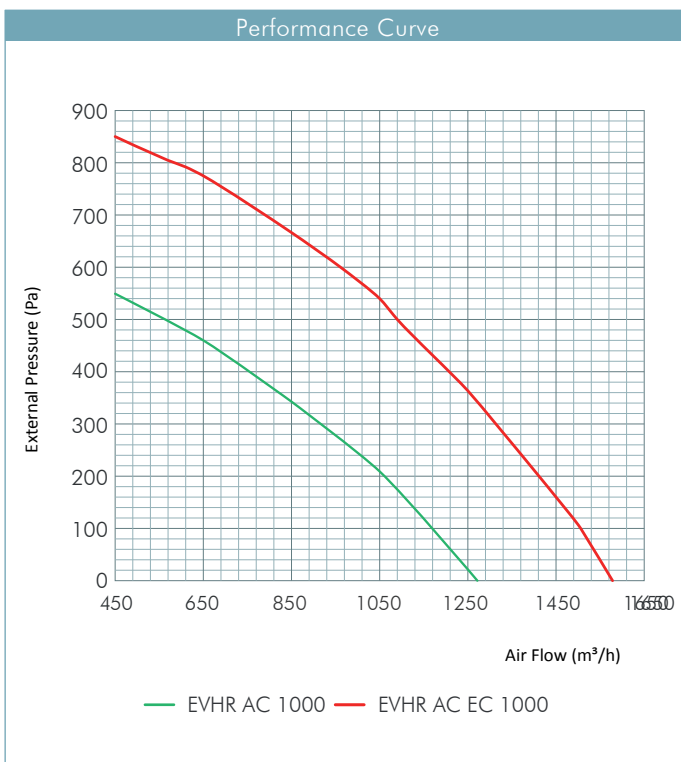
EVHR AC / EVHR AC EC 500



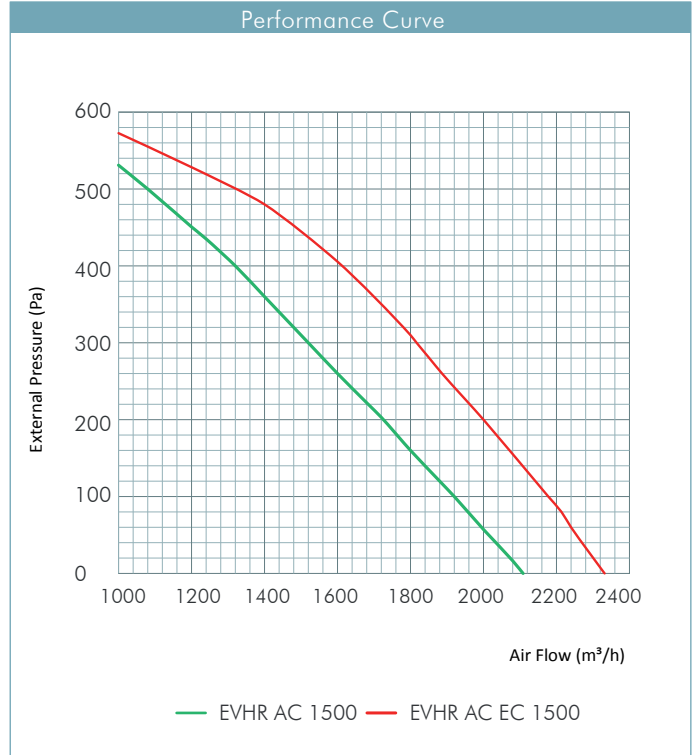
EVHR AC / EVHR AC EC 750



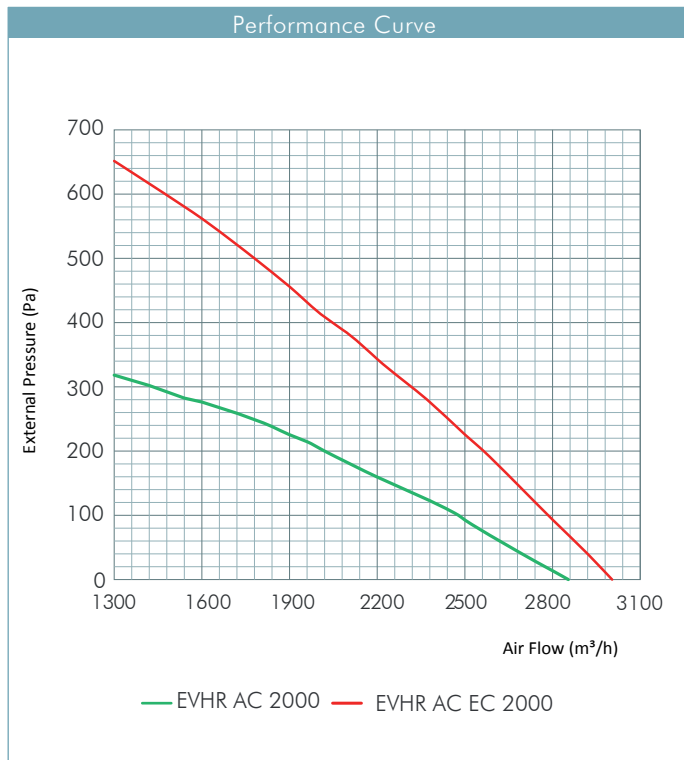
EVHR AC / EVHR AC EC 1000



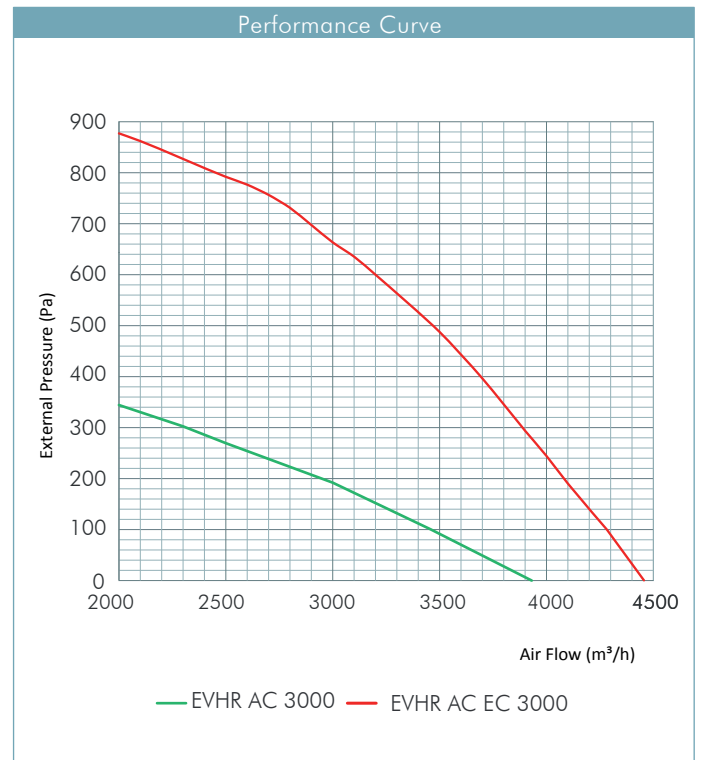
EVHR AC / EVHR AC EC 1500



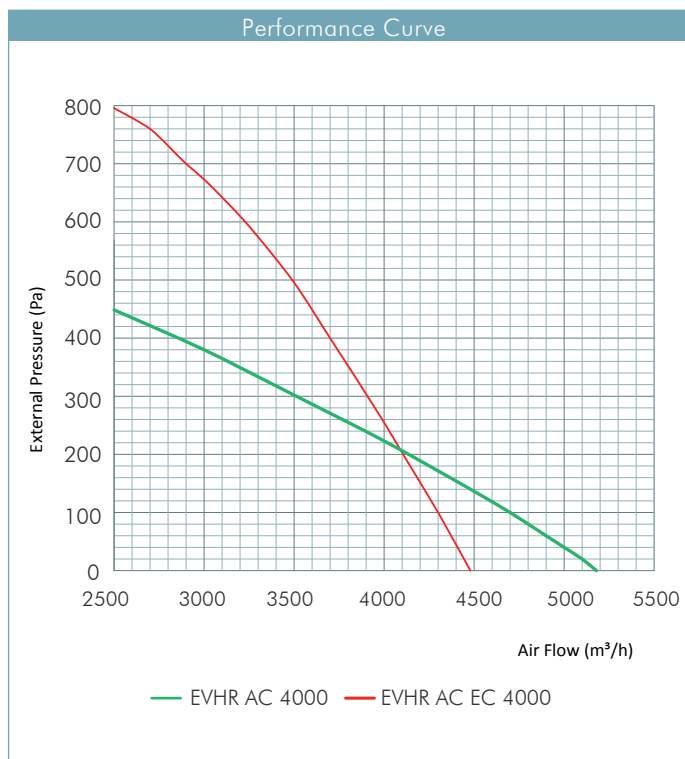
EVHR AC / EVHR AC EC 2000



EVHR AC / EVHR AC EC 3000



EVHR AC / EVHR AC EC 4000



Technical Specifications & Unit Dimensions - AC Fan

		EVHR-AC / EVER-AC								
		500	750	1000	1500	2000	3000	4000		
EVHR / EVER AC Technical Specifications	Air Flow	m ³ /h	500	750	1000	1500	2000	3000	4000	
	External Static Pressure	Pa	176	265	250	310	205	190	222	
	Max. Air Flow ¹	m ³ /h	775	1060	1275	2100	2850	3930	4200	
	Nominal Voltage	V/Hz/Ph	230/ 50 / 1~				400/ 50 / 3~			
	Cooling	Capacity ²	kw	3,17	4,20	5,70	9,06	12,20	15,10	24,00
		EER	-	3,07	2,78	3,28	2,91	2,86	3,29	2,93
		Total Power ³	kw	1,03	1,51	1,74	3,11	4,26	4,59	8,18
	Heating	Capacity ²	kw	3,80	5,20	6,87	11,30	14,80	18,67	30,70
		CoP	-	4,43	3,88	4,71	4,59	4,42	4,79	4,44
		Total Power ³	kw	0,86	1,34	1,46	2,46	3,35	3,90	6,92
Electric Heater Diameter	mm	Ø250	Ø250	Ø300	300x300	400x400	500x400	550x450		
Electric Heater (Optional) ⁴	kw	1,50	1,50	2,00	4,00	5,00	10,00	10,00		
Unit Weight	kg	105	110	145	200	295	325	360		
Filter Type		G Class								

Summer Condition: Outdoor air 35°C K.T. %40 rH & Indoor air 25°C K.T. %50 rH

Winter Condition: Outdoor air 0°C K.T. %80 rH & Indoor air 22°C K.T. %40 rH

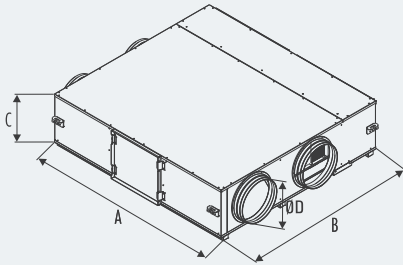
¹ External static pressure is 0 Pa.

² Heat exchanger capacity is added to total heating and cooling capacities.

³ EN14511-2 conditions with 0(pa) external static pressure.

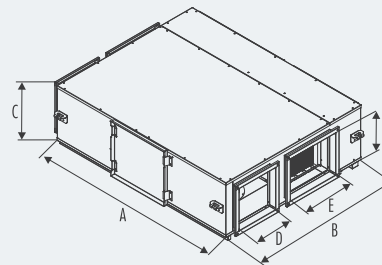
⁴ Electric heaters shall be used before the fresh air inlet of the unit to preheat air where outdoor air is below -5°C and condensation can occur. Also in humid climates return air ducts must also be insulated against condensation.

EVHR AC - EVER AC Unit Dimensions



	EVHR AC-EVER AC		
	500	750	1000
A	1250	1250	1400
B	1000	1000	1300
C	411	411	411
ØD	250	250	300

*All measurement values are mm.



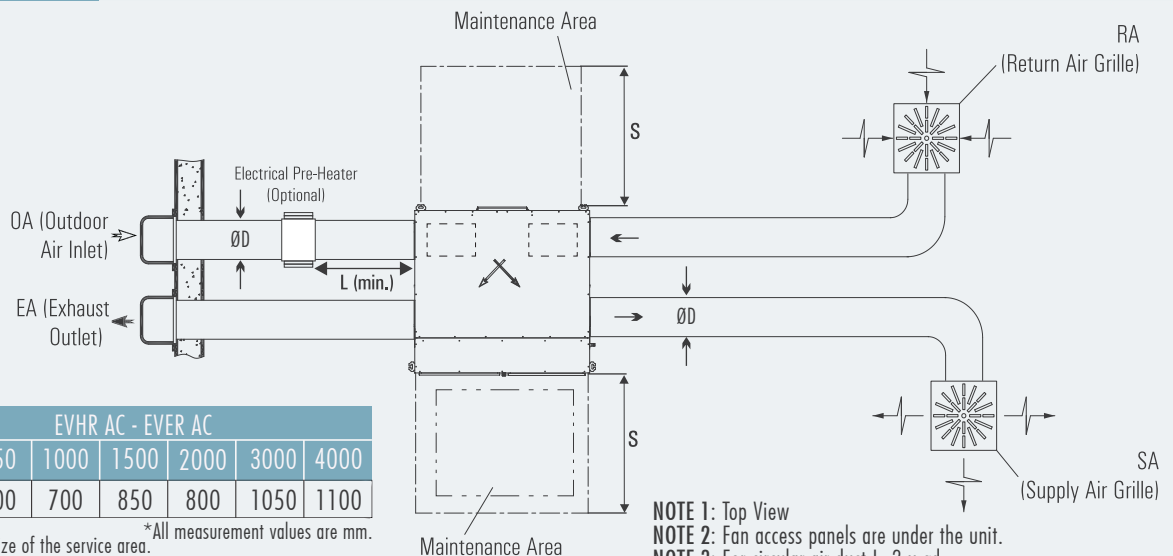
	EVHR AC-EVER AC			
	1500	2000	3000	4000
A	1650	2100	2200	2200
B	1450	1620	1911	1911
C	470	590	590	655
DxF	300x300	400x400	500x400	550x450
ExF	600x300	550x400	800x400	800x450

*All measurement values are mm.

DxF: Outdoor air and indoor air connection
ExF: Supply air and exhaust air connection



Service Space & Installation



S	EVHR AC - EVER AC						
	500	750	1000	1500	2000	3000	4000
	600	600	700	850	800	1050	1100

*"S" values indicate the size of the service area.
Drain pipe must be installed.
A service space of "C" must be left under the unit for fan service.

NOTE 1: Top View
NOTE 2: Fan access panels are under the unit.
NOTE 3: For circular air duct L=2 x ød
For rectangular air duct L=Duct diagonal length

Technical Specifications & Unit Dimensions - EC Fan

			EVHR-AC EC / EVER-AC EC							
			500	750	1000	1500	2000	3000	4000	
EVHR / EVER AC EC Technical Specifications	Air Flow	m ³ /h	500	750	1000	1500	2000	3000	4000	
	External Static Pressure	Pa	233	305	575	440	420	670	255	
	Max. Air Flow ¹	m ³ /h	855	1060	1575	2325	2850	4450	4500	
	Nominal Voltage	V/Hz/Ph	230/ 50 / 1~			400/ 50 / 3~				
	Cooling	Capacity ²	kw	3,17	4,20	5,70	9,06	12,20	15,10	24,00
		EER	-	3,25	3,04	3,52	3,29	3,03	3,60	3,38
		Total Power ³	kw	0,98	1,38	1,62	2,75	4,03	4,19	7,10
	Heating	Capacity ²	kw	3,80	5,20	6,87	11,30	14,80	18,67	30,70
		CoP	-	4,75	4,30	5,13	5,38	4,74	5,33	5,26
		Total Power ³	kw	0,80	1,21	1,34	2,10	3,12	3,50	5,84
Electric Heater Diameter	mm	Ø250	Ø250	Ø300	300x300	400x400	500x400	550x450		
Electric Heater (Optional) ⁴	kw	1,50	1,50	2,00	4,00	5,00	10,00	10,00		
Unit Weight	kg	105	110	145	200	295	325	360		
Filter Type		G Class								

Summer Condition: Outdoor air 35°C K.T. %40 rH & Indoor air 25°C K.T.

Winter Condition: Outdoor air 0°C K.T. %80 rH & Indoor air 22°C K.T.

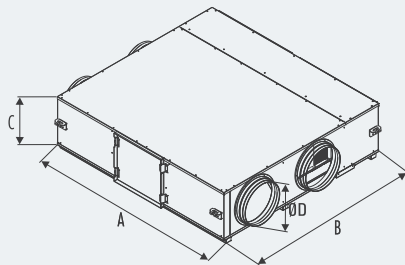
¹ External static pressure is 0 Pa.

² Heat exchanger capacity is added to total heating and cooling capacities.

³ EN14511-2 conditions with 0 Pa external static pressure.

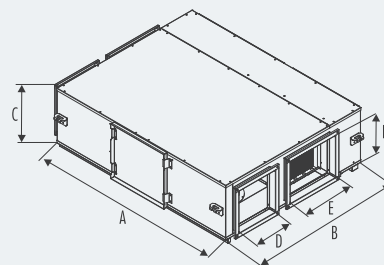
⁴ Electric heaters shall be used before the fresh air inlet of the unit to preheat air where outdoor air is below -5°C and condensation can occur. Also in humid climates return air ducts must also be insulated against condensation.

EVHR / EVER AC EC Unit Dimensions



EVHR/EVER AC EC			
	500	750	1000
A	1250	1250	1400
B	1000	1000	1300
C	411	411	411
ØD	250	250	300

*All measurement values are mm.



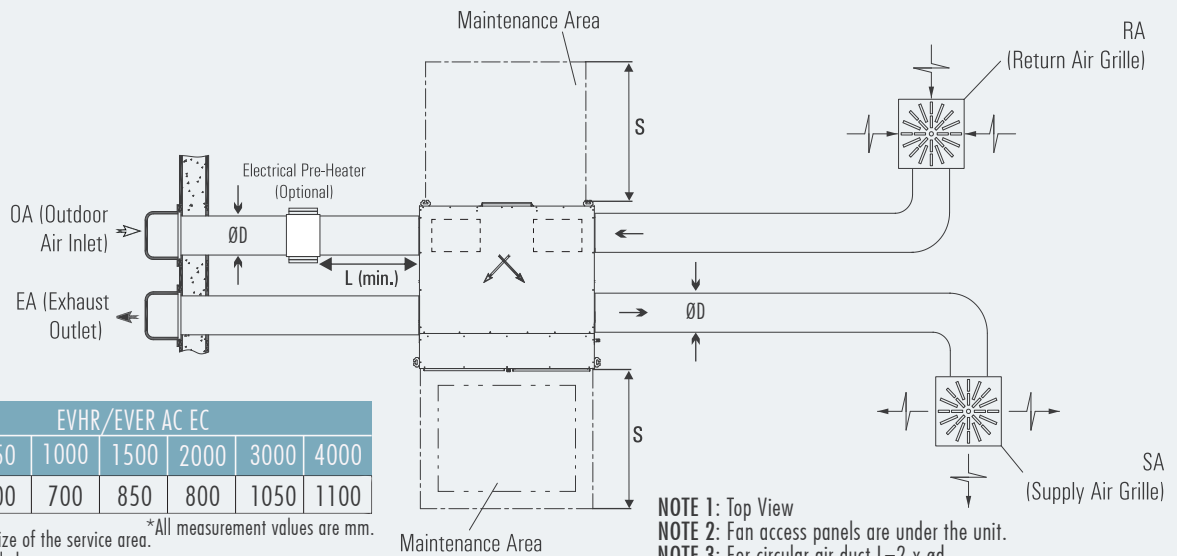
EVHR/EVER AC EC				
	1500	2000	3000	4000
A	1650	2100	2200	2200
B	1450	1620	1911	1911
C	470	590	590	655
DxF	300x300	400x400	500x400	550x450
ExF	600x300	550x400	800x400	800x450

*All measurement values are mm.

DxF: Outdoor air and indoor air connection
ExF: Supply air and exhaust air connection



Service Space & Installation



EVHR/EVER AC EC							
	500	750	1000	1500	2000	3000	4000
S	600	600	700	850	800	1050	1100

*"S" values indicate the size of the service area. *All measurement values are mm.

Drain pipe must be installed.

A service space of "C" must be left under the unit for fan service.

NOTE 1: Top View

NOTE 2: Fan access panels are under the unit.

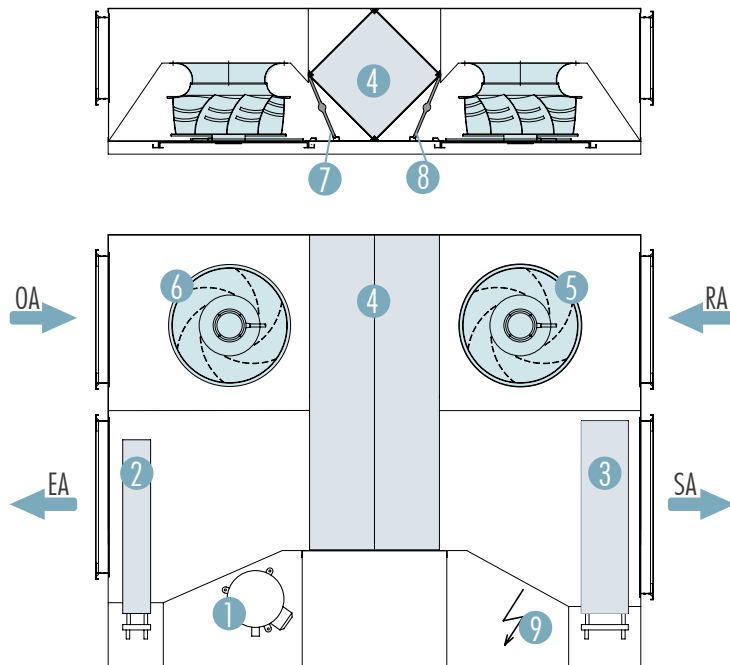
NOTE 3: For circular air duct L=2 x ød

For rectangular air duct L=Duct diagonal length

■ Working Principle of the Unit



Outdoor air is cleaned from particles with G type filters and then it passes through the plate heat/energy recovery heat exchanger in EVHR AC/ EVER AC units. The supply air is preconditioned in the plate type heat/energy exchanger which is a type of heat exchanger that allows heat transfer between two air streams. Although the temperature and humidity of exhaust air is changed in the exchanger, it is still at appropriate temperature and humidity conditions and then it passes through the heat pump and is discarded to outdoor. Meanwhile outdoor air passes through the heat pump till the design temperature is achieved and then it is blown to inside.



■ Unit Components

- 1 Compressor
- 2 Condenser
- 3 Evaporator
- 4 Aluminum Cross-flow Exchanger (EVHR AC)/
Cellulosic Paper Type Cross-flow Heat Exchanger (EVER AC)
- 5 Exhaust Fan
- 6 Supply Air Fan
- 7 Supply Air Filter
- 8 Exhaust Filter
- 9 Control Panel

■ Compressor and Heat Pump Cycle

High efficiency, fully hermetic compressors are used in the heat/ energy recovery units with heat pump. Externally balanced thermostatic expansion valve is used in the unit. The system safety is ensured with low and high pressure pressurestats. The system can work in heating or cooling mode depending on the season selection on the control panel. The unit has an automatic free-cooling system which enables further savings in order to reduce operating costs.



■ Evaporator & Condenser

Copper tube- aluminum fin type and high efficiency evaporator and condenser are used. At the entrance of the evaporator, refrigerant distributor is used for a uniform distribution. In order to keep the pressure drops on the air side reduced, the air speed of 2.7 m/sec or a lower value is selected for evaporator and condenser. There is a stainless steel drain pan under the evaporator and condenser.






■ EVHR AC/EC - EVER AC/EC

Automation Options		Control Cards		
Standard	Optional	Standard - Pro	Alternative	
			Type 1	Type 2
OA Temperature Sensor		☑	☑	☑
RA Temperature Sensor		☑	☑	☑
SA Temperature Sensor		☑	☑	☑
SA Fan Control		☑	☑	☑
RA Fan Control		☑	☑	☑
Compressor Control		☑	☑	☑
4 Way Control		☑	☑	☑
Modbus RTU		☑	☑	☑
Weekly Timer		☑	☑	☑
Filter Contamination Info (DPS)		☑	☑	☑
	On/Off Damper Control	☑	☑	☑
	Proportional Damper Control	☒	☑	☑
	On/Off Heating Coil	☒	☑	☑
	Proportional Heating Coil	☒	☑	☑
	On/Off Cooling Coil	☒	☑	☑
	Proportional Cooling Coil	☒	☑	☑
	Electrical Pre-Heater	☑	☑	☑
	BacNET	☒	☑	☑
	Web Browser (TCP/IP)	☒	☑	☑

⊖ Only one of them the defined functions is selectable for this control card.

⚠ The optional features in the table vary according to the product.

Control Panel		Control Cards		
Panel Type	Panel Descriptions	Standard - Pro	Alternative	
			Type 1	Type 2
	Standard-Pro Wall-mounted type, Max:50 m communication ability	☑	☒	☒
	Alternative-1.1 Hand Panel 1: Wall-mounted type, IP 65 protection class for only front side of panel, Max:50 m communication ability Hand Panel 2: Magnet type, IP 65 protection class for whole panel, Max:50 m communication ability	☒	☑	☒
	Alternative-1.2 Magnet type, IP 31 protection class, Max:700 m communication ability	☒	☒	☑

■ Selection of Electrical Cable Cross-Section (EVHR AC/EVER AC)

Unit Model EVHR AC / EVER AC	Unit Voltage (V)	Unit Power Input (kW)	Current (A)	Fuse (A)	Cable Cross-Section(mm ²) for 50M and PF=0.8
500	230	1.12	5.08	2x6	4.00
750	230	1.76	8.14	2x10	4.00
1000	230	1.84	8.48	2x10	4.00
1500	230	3.54	16.78	2x20	6.00
2000	400	3.54	11.14	3x16	2.50
3000	400	4.37	14.08	3x16	2.50
4000	400	8.21	21.38	3x25	2.50

The data in the table shows the maximum power/current values. Please check unit label for updated values.

■ Cable Cross-Section Formulas

$$1$$

$$I_{\text{current}} = \frac{P}{U \cdot \text{CosQ}}$$

$$I_{\text{cable}} > I_{\text{current}}$$

$$2$$

$$\%e = \frac{100 \cdot P \cdot L}{k \cdot S \cdot U^2}, \quad S = \frac{100 \cdot P \cdot L}{k \cdot \%e \cdot U^2}$$

$$\%e = \%3$$

3

$$I_{\text{cable}} > I_{\text{fuse}} \geq I_{\text{current}}$$

$$\text{Cable Cross-Section } S = \text{Max} (S1, S2, S3, 1.5\text{mm}^2)$$

* It is suitable for units with 230V supply voltage.

P : Power

I : Current

U : Voltage

S : Conductor cross section

k : Conductor coefficient

L : Conductor length

%e: The voltage drop

■ Example of Cable Cross-Section Calculation

$$P : 1,23 \text{ kW} \quad L : 50\text{m}$$

$$U : 230\text{V} \quad \%e : \%3$$

$$\text{CosQ} : 0,8 \quad k : 56\text{m} / \Omega$$

1

$$I_{\text{current}} = \frac{1230 \text{ W}}{230 \cdot 0,8} = 6.68 \text{ A}$$

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than calculated "I_{current}" value.

$$S1 = 0.5 \text{ mm}^2$$

2

$$\%e = \%3$$

$$S = \frac{100 \cdot 1230 \cdot 50}{56.3 \cdot 230^2} = 0.76 \text{ mm}^2$$

$$S2 \geq 0.69 \text{ mm}^2 \geq 0.75 \text{ mm}^2$$

$$S2 = 0.75 \text{ mm}^2$$

3

$$I_{\text{cable}} > I_{\text{fuse}} \geq I_{\text{current}}$$

$$I_{\text{cable}} > 10\text{A} \geq 6.68\text{A}$$

"I_{fuse}", which will be higher than "I_{current}", is selected.

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than selected "I_{fuse}" value.

$$I_{\text{cable}} = 12\text{A}$$

$$S3 = 0.5 \text{ mm}^2$$

$$\text{Cable cross-section } S = \text{Max} (S1, S2, S3, 1.5 \text{ mm}^2)$$

$$S = \text{Max} (0.5, 0.75, 0.5, 1.5)$$

$$S = 1.5 \text{ mm}^2$$

■ Selection of Electrical Cable Cross-Section (EVHR AC EC/EVER AC EC)

Unit Model EVHR AC EC/EVER AC EC	Unit Voltage (V)	Unit Power Input (kW)	Current (A)	Fuse (A)	Cable Cross-Section (mm ²) for 50M and PF=0.8
500	230	1.10	5.68	2x6	2.50
750	230	1.68	9.08	2x10	2.50
1000	230	2.11	11.28	2x16	2.50
1500	230	3.33	18.48	2x25	4.00
2000	400	3.61	10.88	3x16	4.00
3000	400	5.21	10.18	3x16	4.00
4000	400	7.81	13.18	3x16	4.00

The data in the table shows the maximum power/current values. Please check unit label for updated values.

■ Cable Cross-Section Formulas

- 1

$$I_{\text{current}} = \frac{P}{\sqrt{3} \cdot U \cdot \text{CosQ}}$$
- 2

$$\%e = \frac{100 \cdot P \cdot L}{k \cdot S \cdot U^2}, \quad S = \frac{100 \cdot P \cdot L}{k \cdot \%e \cdot U^2}$$
- 3

$$I_{\text{cable}} > I_{\text{fuse}} \geq I_{\text{current}}$$

Cable Cross-Section $S = \text{Max}(S1, S2, S3, 1.5 \text{mm}^2)$

* It is suitable for units with 400V supply voltage.

- P : Power
- I : Current
- U : Voltage
- S : Conductor cross section
- k : Conductor coefficient
- L : Conductor length
- %e : The voltage drop

■ Example of Cable Cross-Section Calculation

- P : 4,9 kW
- U : 400V
- CosQ : 0,8
- L : 50m
- %e : %3
- k : 56m / Ω

- 1

$$I_{\text{current}} = \frac{4900 \text{ W}}{\sqrt{3} \cdot 400 \cdot 0,8} = 8.85 \text{ A}$$

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than calculated "I_{current}" value.

S1 = 0.5 mm²
- 2

$$S = \frac{100 \cdot 4900 \cdot 50}{56 \cdot 3 \cdot 400^2}$$

S2 ≥ 0.91 mm²

S2 = 1 mm²
- 3

$$I_{\text{cable}} > I_{\text{fuse}} \geq I_{\text{current}}$$

$$I_{\text{cable}} > 10 \text{A} \geq 8.85 \text{A}$$

"I_{fuse}" which will be higher than "I_{current}", is selected.

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than selected "I_{fuse}" value.

I_{cable} = 15A

S3 = 0.75 mm²

Cable cross-section $S = \text{Max}(S1, S2, S3, 1.5 \text{mm}^2)$

S = Max (0.5, 1, 0.75, 1.5)

S = 1.5 mm²

■ Duct Type Electric Heaters



Electric heaters are optionally supplied in cold climates for supply air. Electric heaters are manufactured according to circular or rectangular duct systems. Standard types are produced of stainless steel heating elements and galvanized metal casing. Stainless steel casing is also available.

Electric heaters are equipped with two excessive temperature protection. When inside of the electric heater's temperature is 70°C, "automatic excessive temperature protection" enables and electric heater disables automatically.

The electrical heaters, designed as maximum 3 steps, step automatically according to temperature that is set on room control panel with control panel. Eneko electric heaters are connected in Delta connection in standard models.

Heating Capacity Calculation

$$Q = 0,33 \times V \times (T_2 - T_1)$$

Q : Heating Capacity (W)

V : Air Flow through electric heater (m³/h)

T₁ : Fresh air temperature before the heater (°C)

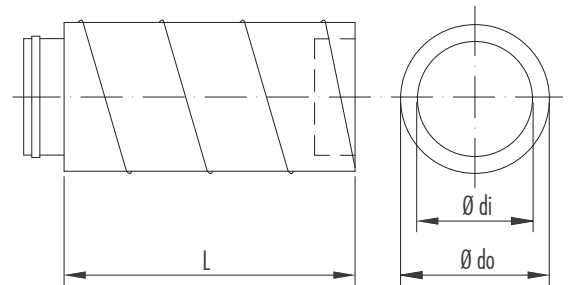
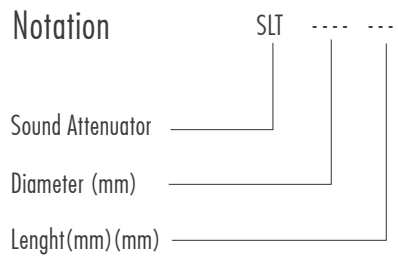
T₂ : Supply air temperature after the heater (°C)

■ Sound Attenuator For Circular Ducts



Sound attenuators are designed for standard duct dimensions. Various lengths are available according to attenuation demand. Sound attenuation capacities are given in the table. For better performance sound attenuators can be used in series. For the best result the sound attenuators shall be installed just after the unit.

Notation



Sound Attenuator Capacity [dB]

SLT	63	125	250	500	1k	2k	4k	8k
200-300	1	2	3	6	10	14	12	14
200-600	2	3	6	7	13	17	18	20
200-900	3	4	7	10	16	18	21	22
250-300	1	2	6	6	13	16	14	15
250-600	2	3	7	7	18	21	20	22
250-900	3	4	9	8	21	24	21	23
300-300	1	2	4	4	10	12	12	15
300-600	1	3	6	7	13	15	17	19
300-900	2	4	7	8	15	17	18	21
355-600	1	3	8	8	9	6	5	7
355-900	4	4	13	13	11	7	6	8

Sound Attenuator Dimensions [mm]

SLT	long	Ø di	Ø do
200-300	300	200	260
200-600	600	200	260
200-900	900	200	260
250-300	300	250	310
250-600	600	250	310
250-900	900	250	310
300-300	300	300	360
300-600	600	300	360
300-900	900	300	360
355-600	600	355	415
355-900	900	355	415



GENERAL

The sale of all Products of ENEKO shall exclusively be made on the basis of these General Terms and Conditions of Sales. Any other conditions and General Conditions of Purchase of the Buyer are not accepted.



OFFERS

Our offers are non-binding and without obligation. Contracts for delivery and all other agreements (including subsidiary agreements) as well as declarations of our representatives shall only become legally binding for us after written confirmation. We do not render planning service.

Proposals made and information provided by our representatives shall be non-binding. Illustrations, drawings, dimensions and weights or other performance data shall only be binding if this is expressly agreed in writing.



TERMS OF ORDER

Purchase orders shall be sent to ENEKO in written form and shall be non-binding unless they are accepted by written confirmation (order confirmation) from ENEKO. Each order shall include properly identified Products ordered and relevant shipping dates.



PRICE OF THE GOODS

Prices are net Ex Works according to current Incoterms unless stated otherwise and do not include any kind of taxes. Prices are valid at the date of delivery will be applied. We reserve the right to adjust prices for confirmed orders as well to reflect any increase in our costs for any reason beyond our control like force majeure, shortage of primary material or labor strikes, official orders, transportation or similar problems. In this case, a new price agreement shall be required for higher rates. If such an agreement is not made, we shall be entitled to withdraw from the contract by written notice within 15 days.



TERMS OF PAYMENT

Payments shall be carried out according to the contractual terms as defined and set forth in the order confirmation. If the payment conditions have not been agreed upon conclusion of the contract, the payment terms and payment dates specified in our invoices shall be binding. Deadlines for discounts and periods allowed for payment shall begin to run upon receipt of the invoice. Payments by draft, bills of Exchange or anyway extended payments shall mean neither credit novation, nor prejudice to the Retention of Title agreement, nor to territorial competence. If buyer fails to make payment by due date, we are entitled to charge the buyer with a relevant interest on the unpaid amount.



TERMS OF DELIVERY

Delivery time information is only approximate. We shall only be in default if the performance is due and a written demand for payment was issued.

Delivery day is the day of dispatch Ex Works. We shall also not be liable with regard to bindingly agreed periods and dates in the event of delays in delivery and of performance due to force majeure and events which considerably complicate or make delivery impossible not only temporarily-strike lockout, breakdown, delay in supply with important raw and auxiliary materials even if the delay occurs at our supplier, in particular. These delays entitle us to postpone delivery for the period of the impediment plus a reasonable start-up period or to withdraw from the contract as a whole or in part. If delivery time is extended or we are released from our delivery commitment, the buyer may not derive a claim for damages from it. However, we may only rely on the circumstances mentioned if we notify the buyer immediately. We shall be entitled to make part deliveries. Any part delivery shall be considered as independent transaction. In case of default, our liability is limited to contract-typical foreseeable damage.



SHIPMENT

Shipment is made for the buyer's account. Mode of shipment and shipping route, transport and packaging and other securities respectively shall be at our choice. We shall be entitled, however, not obliged to insure deliveries in the name and for account of the buyer. Risk passes to the buyer when shipment is handed over to the person performing the transport or left our Works for shipment. If shipment is delayed upon buyer's request, risk passes to the buyer with the ready for shipment note. If ordered goods are rejected after the ready for shipment note, we shall be entitled to request payment and store the goods at buyer's expense. Discharge of the goods is made at buyer's expense.



RETENTION OF TITLE

In any event ENEKO shall retain full ownership of all materials supplied whilst the payment conditions of the entire amount have not been complied with, said materials may be removed from the customer at our request. Should the customer be declared bankrupt or insolvent and has not made paid the entire amount of payments. ENEKO shall be entitled to recover the goods. ENEKO may interrupt the supply without incurring any liability whatsoever if he had notice of or became aware of a decrease in the creditworthiness of the purchaser or if any of the existing negotiable instruments or debts were not properly complied with, shall result as being unpaid and protested.



WARRANTY

ENEKO Products are under warranty (defect in material or workmanship) for 2 years from the date of sale reflected on the invoice. Under this warranty, ENEKO is under the obligation to replace the part requested under warranty.

The followings are excluded from ENEKO warranty:

- Normal wear and tear
- Defective assembly or handling
- Third party compensation

Parts the subject of a claim shall be sent to our warehouse as carriage paid with relevant report completely filled in, wherein the parts shall be subjected to analysis.



LIABILITY

ENEKO, for any losses/damages, shall only be responsible within the limits of the law. Owing to basic obligations undertaken by simple negligence, if the contract is violated, ENEKO's liability shall be limited to compensate for losses which are emerged specific and predictable. ENEKO shall not carry any responsibility in case of a single negligence in breach of non-essential contractual obligations.



PROPERTY RIGHTS

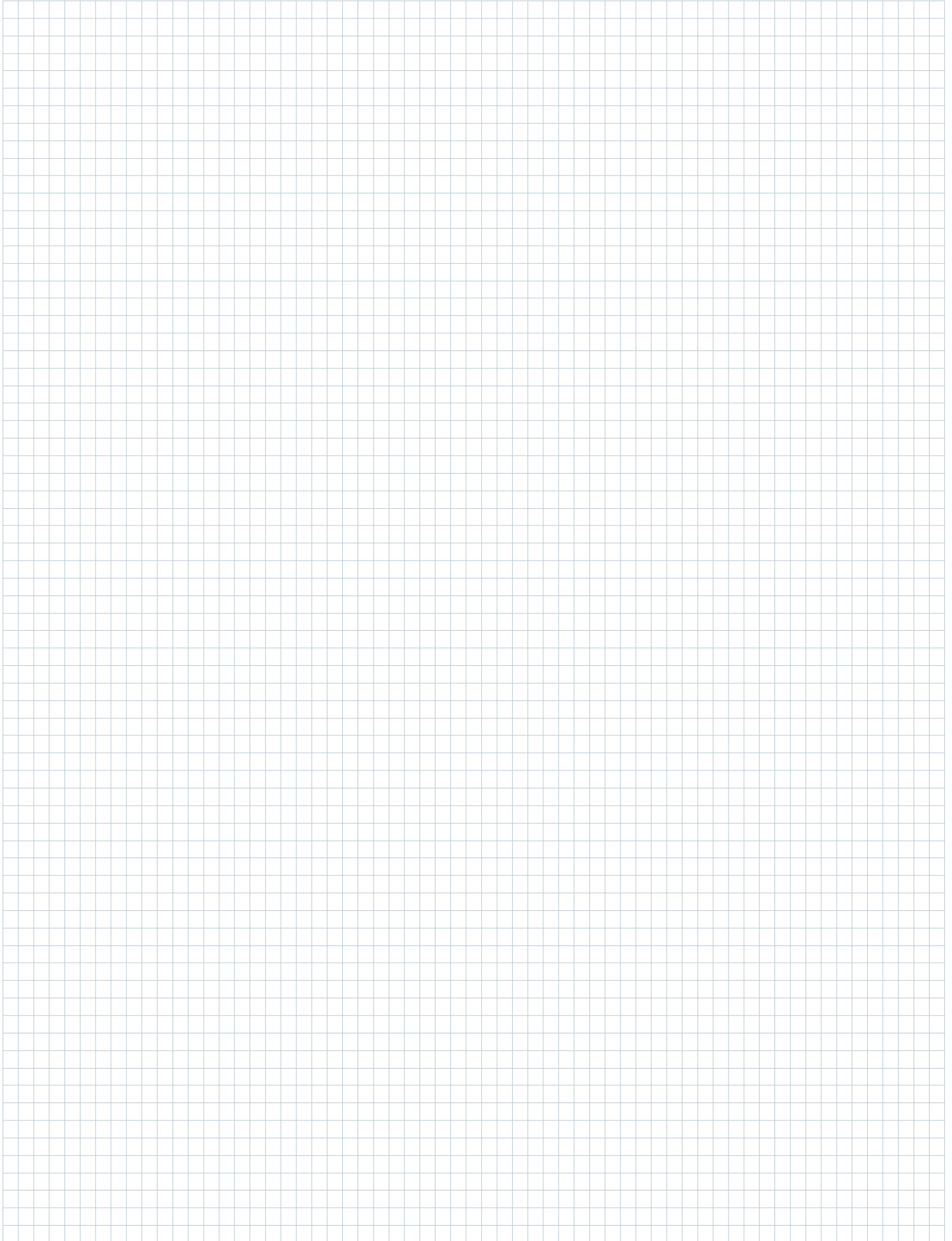
The purchaser in no event and under no circumstances whatsoever shall publish or use the trademark, trade name or logo of ENEKO without a prior written permission.



GOVERNING LAW AND JURISDICTION

This agreement shall be governed with all aspects of the Turkish Law. The courts of Izmir/Turkey shall have an exclusive jurisdiction to adjudicate any dispute arising under or in connection with this agreement.

Notes





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In parallel with our ongoing product development in R&D department, all rights of changing all technical specifications are reserved by ENEKO without any declaration and notice.

